

KANDA, et al.
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December 17, 2004

AMENDMENTS TO THE CLAIMS:

Amend the claims as follows:

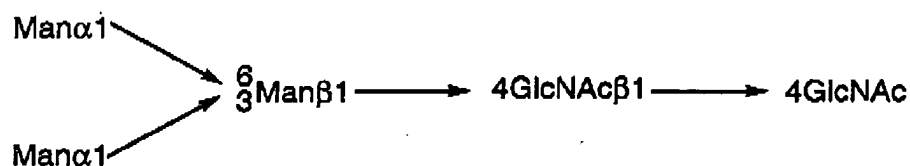
Claims 1-68. (Canceled)

69. (New) An isolated fucosyltransferase knock-out host cell wherein when a gene encoding an antibody molecule is introduced in to said host cell, said host cell produces an antibody composition comprising the antibody molecule,

said antibody molecule comprising a Fc region comprising complex N-glycoside-linked sugar chains bound to the Fc region,

said sugar chains comprising a reducing end which contains an N-acetylglucosamine, wherein the sugar chains do not contain fucose bound to N-acetylglucosamine in the reducing end of the sugar chains.

70. (new) The isolated host cell of claim 69 wherein said sugar chains comprise:



71. (new) The isolated host cell of claim 69 wherein said host cell is a CHO cell.

72. (new) The isolated host cell of claim 69 wherein said host cell is a NS0 cell.

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73. (new) The isolated host cell of claim 69 wherein said host cell is a SP2/0 cell.

74. (new) The isolated host cell of claim 69 wherein said host cell is a YB2/0 cell.

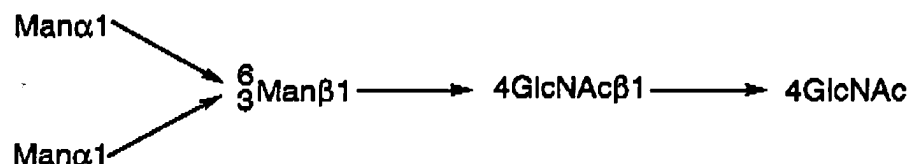
75. (new) The isolated host cell of claim 69 wherein said host cell is a plant cell.

76. (New) A fucosyltransferase knock-out plant wherein when a gene encoding an antibody molecule is introduced in to said plant, said plant produces an antibody composition comprising the antibody molecule,

said antibody molecule comprising a Fc region comprising complex N-glycoside-linked sugar chains bound to the Fc region,

said sugar chains comprising a reducing end which contains an N-acetylglucosamine, wherein the sugar chains do not contain fucose bound to N-acetylglucosamine in the reducing end of the sugar chains.

77. (new) The plant of claim 76 wherein said sugar chains comprise:



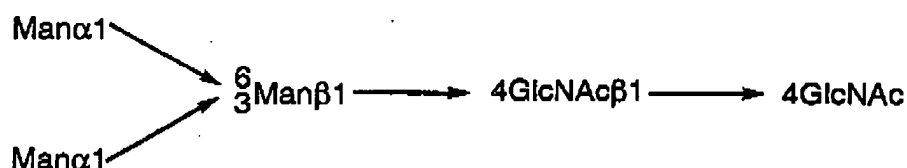
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78. (New) A non-human fucosyltransferase knock-out animal wherein when a gene encoding an antibody molecule is introduced in to said animal, said non-human animal produces an antibody composition comprising the antibody molecule,

said antibody molecule comprising a Fc region comprising complex N-glycoside-linked sugar chains bound to the Fc region,

said sugar chains comprising a reducing end which contains an N-acetylglucosamine, wherein the sugar chains do not contain fucose bound to N-acetylglucosamine in the reducing end of the sugar chains.

79. (new) The non-human animal of claim 78 wherein said sugar chains comprise:



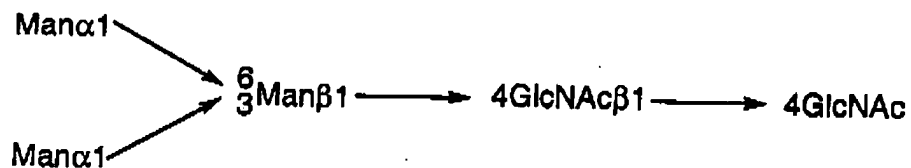
80. (New) An isolated fucosyltransferase knock-out host cell comprising a gene encoding an antibody molecule, wherein said host cell produces an antibody composition comprising the antibody molecule,

said antibody molecule comprising a Fc region comprising complex N-glycoside-linked sugar chains bound to the Fc region,

said sugar chains comprising a reducing end which contains an N-acetylglucosamine, wherein the sugar chains do not contain fucose bound to N-acetylglucosamine in the reducing end of the sugar chains.

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81. (new) The isolated host cell of claim 80 wherein said sugar chains comprise:



82. (new) The isolated host cell of claim 80 wherein said host cell is a CHO cell.

83. (new) The isolated host cell of claim 80 wherein said host cell is a NS0 cell.

84. (new) The isolated host cell of claim 80 wherein said host cell is a SP2/0 cell.

85. (new) The isolated host cell of claim 80 wherein said host cell is a YB2/0 cell.

86. (new) The isolated host cell of claim 80 wherein said host cell is a plant cell.

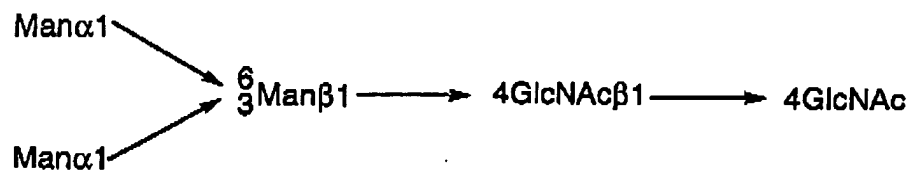
87. (New) A fucosyltransferase knock-out plant comprising a gene encoding an antibody molecule, wherein said plant produces an antibody composition comprising the antibody molecule,

said antibody molecule comprising a Fc region comprising complex N-glycoside-linked sugar chains bound to the Fc region,

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said sugar chains comprising a reducing end which contains an N-acetylglucosamine, wherein the sugar chains do not contain fucose bound to N-acetylglucosamine in the reducing end of the sugar chains.

88. (new) The plant of claim 87 wherein said sugar chains comprise:

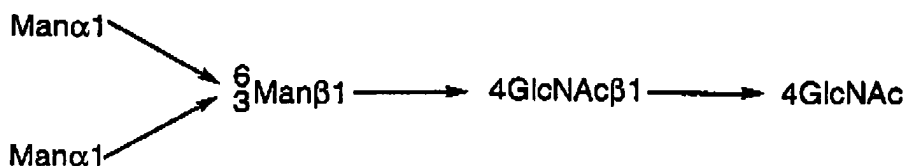


89. (New) A non-human fucosyltransferase knock-out animal comprising a gene encoding an antibody molecule, wherein said non-human animal produces an antibody composition comprising the antibody molecule,

said antibody molecule comprising a Fc region comprising complex N-glycoside-linked sugar chains bound to the Fc region,

said sugar chains comprising a reducing end which contains an N-acetylglucosamine, wherein the sugar chains do not contain fucose bound to N-acetylglucosamine in the reducing end of the sugar chains.

90. (new) The non-human animal of claim 89 wherein said sugar chains comprise:



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91. (new) The isolated host cell of claim 69 wherein said antibody molecule is an IgG antibody.

92. (new) The plant of claim 76 wherein said antibody molecule is an IgG antibody.

93. (new) The non-human animal of claim 78 wherein said antibody molecule is an IgG antibody.

94. (new) The isolated host cell of claim 80 wherein said antibody molecule is an IgG antibody.

95. (new) The plant of claim 87 wherein said antibody molecule is an IgG antibody.

96. (new) The non-human animal of claim 89 wherein said antibody molecule is an IgG antibody.